

Gunter, Jason

From: Nations, Mark <mnations@doerun.com>
Sent: Sunday, April 13, 2014 4:47 AM
To: Gunter, Jason
Cc: Wohl, Matthew; Yingling, Mark; martin.kator@dnr.mo.gov; robert.hinkson@dnr.mo.gov; brandon.wiles@dnr.mo.gov; Ty Morris (TMorris@barr.com)
Subject: Federal Progress Report
Attachments: FED_03-14[1].doc; Pb_Results_By_Month_January_2014_019[1].pdf

Jason, attached is the March 2014 report.

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Superfund



Remediation Group

Mark Nations
Mining Properties Manager
mnations@doerun.com

April 11, 2014

Mr. Jason Gunter
Remedial Project Manager
U.S. Environmental Protection Agency
Region 7 - Superfund Branch
11201 Renner Blvd.
Lenexa, KS 66219

Re: The Doe Run Company – Federal Mine Tailings Site Monthly Progress Report

Dear Mr. Gunter:

As required by Article XVII, Paragraph 73 of the Administrative Order on Consent (Docket No.VII-97-F-0009) for the referenced project and on behalf of The Doe Run Company, the progress report for the period March 1, 2014 through March 31, 2014 is enclosed. If you have any questions or comments, please call me at 573-518-0800.

Sincerely,

Mark Nations
Mining Properties Manager

Enclosure

c: Matt Wohl – TDRC (electronic only)
Mark Yingling – TDRC (electronic only)
Martin Kator – MDNR - DSP
Robert Hinkson – MDNR - HWP
Brandon Wiles – MDNR
Ty Morris – Barr Engineering

Federal Mine Tailings Site
Park Hills, Missouri
Monthly Progress Report
Period: March 1, 2014 – March 31, 2014

1. Actions Performed or Completed This Period:

- a. Work continued on the task of stockpiling rock onsite. This work focused on stockpiling trail rock, Type 1 riprap, Type 2 riprap, Type 3 riprap, and Slope Protection Rock. These rock types are being stockpiled in the Borrow Area and in a staging area near the Former Chat Pile Area. As of the end of the period, work on this task continued.
- b. Work in Phase III of the Off Road Vehicle (ORV) Riding Area continued. This work focused on covering the trails and grids that exceeded the 600 ppm action level. As of the end of the period, work on this task continued.
- c. Work continued in the Borrow Pit Area. This work focused on covering the open areas with rock. As of the end of the period, work on this task continued.
- d. Work continued in the Former Chat Pile Area. This work focused on grading the ditches and placing cover material over the area. As of the end of the period, work on this task continued.
- e. Work continued in the Shaw Branch Creek Area. This work focused on final grading the Sedimentation Ponds. As of the end of the period, work on this task continued.
- f. Work in the Shaw Branch Creek Area also focused on rocking the drainage channels and slopes. As of the end of the period, work on this task continued.

2. Data and Results Received This Period:

- a. Attached are the lead monitoring results for the Missouri Department of Natural Resources – Department of State Parks (MDNR-DSP) air monitor located near the ORV Riding Area for January 2014. Neither The Doe Run Company nor Barr Engineering were involved with siting this monitor, collecting the samples, processing the samples, evaluating the data, or verifying the accuracy of the data.
- b. During this period, the Ambient Air Monitoring Report for December was completed. Any issues identified in this report are discussed below. A copy of this document has been sent to your attention. The December 2013 Ambient Air Monitoring Report noted the following:
 - The action levels for lead and dust were not exceeded.
 - No sample was taken on the Federal #2 (Big River) TSP monitor on 12/03/13 and 12/04/13 due to the run time of the monitor being outside of the acceptable limits. This issue has been addressed.
 - No sample was taken on the Federal #1 (water plant) TSP monitor on 12/06/13 and 12/27/13 due to the run time of the monitor being outside of the acceptable limits. This issue has been addressed.
 - No samples were taken with the TSP monitors on 12/24/13, 12/25/13, or 12/31/13 due to the holiday.

3. Planned Activities for Next Period:

- a. Work in the ORV Riding Area will continue on the task of covering the trails and grids that exceeded the 600 ppm action level in the portion of the area included in the Phase III fencing plan.
- b. Work in the Borrow Pit Area will continue on covering the open areas with rock or soil.
- c. Work in the Former Chat Pile Area will continue. Work in this area will focus on placing cover materials outside of the drainage channels.

- d. Work will continue on the task of stockpiling trail rock, Type 1 riprap, Type 2 riprap, and Slope Protection Rock.
- e. Work in the Shaw Branch Creek Area will continue. Work in this area will focus on rocking slopes and grading the drainage channels.

4. Changes in Personnel:

- a. None.

5. Issues or Problems Encountered and the Resolution:

- a. None.

Air Quality Monitoring Pb results for January 2014

St. Joe State Park

Primary

AQM Pb results for November 2013				AQM Pb results for December 2013			
St. Joe State Park				St. Joe State Park			
Primary				Primary			
Sample Number	Date Collected	Sampler:	Result	Sample Number	Date Collected	Sampler:	Result
AC15153	11/3/2013	#1 Primary	0.0047 µg/m³	AC15718	12/3/2013	#1 Primary	0.0036 µg/m³
AC15173	11/6/2013	#1 Primary	0.0035 µg/m³	AC15738	12/6/2013	#1 Primary	0.0061 µg/m³
AC15186	11/9/2013	#1 Primary	0.0284 µg/m³	AC15758	12/9/2013	#1 Primary	0.0318 µg/m³
AC15193	11/12/2013	#1 Primary	0.0216 µg/m³	AC15778	12/12/2013	#1 Primary	0.0043 µg/m³
AC15199	11/15/2013	#1 Primary	0.0024 µg/m³	AC15798	12/15/2013	#1 Primary	0.0035 µg/m³
AC15205	11/18/2013	#1 Primary	0.1026 µg/m³	AC15805	12/18/2013	#1 Primary	0.0047 µg/m³
AC15210	11/21/2013	#1 Primary	0.0031 µg/m³	AC15811	12/21/2013	#1 Primary	0.0054 µg/m³
AC15239	11/24/2013	#1 Primary	0.0085 µg/m³	AC15817	12/24/2013	#1 Primary	0.0049 µg/m³
AC15240	11/27/2013	#1 Primary	0.0604 µg/m³	AC15823	12/27/2013	#1 Primary	0.0119 µg/m³
AC15241	11/30/2013	#1 Primary	0.0050 µg/m³	AC17732	12/30/2013	#1 Primary	0.0272 µg/m³
November Sum	0.2402	November Average	0.02402 µg/m³	December Sum	0.1034	December Average	0.01034 µg/m³
Run Days Scheduled:	10	Actual:	10	Run Days Scheduled:	10	Actual:	10
November Data Capture Rate	100.000%			December Data Capture Rate	100.000%		

Sample Number	Date Collected	Site:	Result
AC17752	1/2/2014	St. Joe State Park - #1 Primary	0.0563 µg/m³
AC17772	1/5/2014	St. Joe State Park - #1 Primary	0.0111 µg/m³
AC17792	1/8/2014	St. Joe State Park - #1 Primary	0.0035 µg/m³
AC17812	1/11/2014	St. Joe State Park - #1 Primary	0.0035 µg/m³
AC17828	1/14/2014	St. Joe State Park - #1 Primary	0.0063 µg/m³
AC17834	1/17/2014	St. Joe State Park - #1 Primary	0.0311 µg/m³
AC17840	1/20/2014	St. Joe State Park - #1 Primary	0.0224 µg/m³
AC17846	1/23/2014	St. Joe State Park - #1 Primary	0.1888 µg/m³
AC19351	1/26/2014	St. Joe State Park - #1 Primary	0.1641 µg/m³
AC19371	1/29/2014	St. Joe State Park - #1 Primary	0.0093 µg/m³
January Sum	0.4964	January Average	0.04964 µg/m³
Run Days Scheduled:	10	Actual:	10
January Data Capture Rate	100.000%		

Three month rolling average: 0.03 µg/m³

Three Month Data Capture Rate: 100%